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भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 22 नई दिल्ली, शनिवार, जून 3, 1989 (ज्येष्ठ 13, 1911)

No. 22] NEW DELHI, SATURDAY, JUNE 3, 1989 (JYAISTHA 13, 1911)

इस भाग में भिन्न पृष्ठ संख्या वाली जाती है जिसमें यह अन्य संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 3rd June 1989

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor, Lower Parel (West),
Bombay-400 013.

Telegraphic address "PATOFFICE".

The States Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005

Telegraphic address "PATENTOFIC".

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M. S. O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices statements or other documents of any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय
एकस्व तथा अभिकल्प
कलहता, दिनांक 3 जून 1989
पेटेंट कार्यालय के कार्यालयों के पाने एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय वलवासे में अवस्थित है तथा बम्बई, विल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रावेशिक क्षेत्राधिकार जोन के आधार पर निम्न स्वर्ग में प्रवर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट, तीसरा तल,
लोअर परेल (पश्चिम),
बम्बई-400 013।

तार पता—“पेटेंटफिल्स”

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा दिव एवं दादरा और नागर हृष्णगढ़ी।

पेटेंट कार्यालय शाखा,
एकल सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई विल्ली-110 005।

तार पता—“पेटेंटोफिल्स”

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,
राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित
क्षेत्र चंडीगढ़ तथा दिल्ली।

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600 002।
तार पता—“पेटेंटफिल्स”

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनियाँ एमिनियिति द्वीप।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैनेस, ब्रितीय बहुतायी कार्यालय भवन,
5, 6 तथा 7बा तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020।

तार पता—“पेटेंट्स”

भारत का अवशेष क्षेत्र

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
प्रयोक्ति सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

शुल्क —शुल्कों की आदायगी या तो नकद की जायेगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

CORRIGENDUM

As per request of the Application Patent application No. 294/Bom/88 date 19-10-88 may be treated as cancelled, and the documents submitted for the application No. 294/Bom/88 dated 14-10-88 are to be treated as amended documents of Patent Application No. 269/Bom/1987.

ALTERATION OF ENTRIES IN THE REGISTER OF PATENT AGENTS UNDER RULE 103 OF THE PATENTS RULES, 1972.

In pursuance of an application on form 52, the addresses of the place of residence and principal place of business of Shri M. S. Daswani have been altered to :

Residence :—

4D, Upasana,
48, Kali Temple Road,
Calcutta-700 026.

Place of business :

C/o. M/s. Daswani & Dasfani,
Patent and Trade Mark Attorneys,
Jaba Kusum House,
34, Chittaranjan Avenue,
Calcutta-700 012.

REGISTRATION OF PATENT AGENTS

The following persons have been registered as Patent Agents :—

1. Shri B. Lakshminarayanan,
No. 35, Nagathamman Koil Street,
Madras-600 003.
2. Shri V. B. Mehrish,
C-3A/144B, MIG, D.D.A. flats,
Janak Puri,
New Delhi-110058.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-5

The 3rd April 1989

- 307/Del/89. Inalsa Ltd., "Improvements in or relating to a hand knitting machine".
- 308/Del/89. Carl G. Fehder, "Quantitative carbon dioxide detector".
- 309/Del/89. REFAC INTERNATIONAL LTD., "Disc/cam type tipping mechanism for bucket conveyor". (Convention date 13th April, 1988) (U.K.).

310/Del/89. INSTITUT GIDRODINAMIKI IMENI M.A. LAVRENTIEVA SIBIRSKOGO OTDELENIA AKADEMII NAUK SSSR. "Arrangement for conveying powder to the barrel of a gas detonation apparatus".

The 4th April 1989

311/Del/89. SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., "Process for coating a solid object with a polymeric material".

312/Del/89. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Stereospecific process for the preparation of furo (3, 4-C) pyridine enantiomers and compounds thus obtained". (Convention date 6th April, 1988) (U.K.).

The 5th April 1989

313/Del/89. Yellapragada Sambasiva Rao. "A rail fastening assembly".

314/Del/89. Ashok Kumar Gupta, "Developed cheese".

The 6th April 1989

315/Del/89. Heinz Schaaf Ohg Nahrungsmittel-Extrusionstechnik. "Method for the disposal and/or processing of feathers and feather waste".

316/Del/89. Alejandro Stein, "A building structure". [Divisional date 30th January, 1984].

The 7th April 1989

317/Del/89. Sultan Singh Jain, "A fail safe leak proof tap".

318/Del/89. General Signal Corporation, "Brake pipe pressure modulating device".

The 10th April 1989

319/Del/89. Steel Authority of India Ltd., "An improved method of sintering of iron-ore fines including superfines and a plant for implementing the same".

320/Del/89. Societe Chimique Des Charbonnages S. A., "Process of producing concentrated solutions of ammonium nitrate". [Division date 25th June, 1986].

321/Del/89. Whirlpool Corporation, "Variable motor speed control for automatic washer".

322/Del/89. Atam Kumar, "A distillation still".

323/Del/89. Vivek Gupta, "A housing for an air cooler".

324/Del/89. Lochan Mohan, "A thermal cut out".

325/Del/89. Lochan Mohan, "A circuit breaker".

326/Del/89. Dnepropetrovsky Metallurgichesky Institut Imeni L. I. Brezhneva, "Railway wheel".

327/Del/89. Zaporozhskaya Shelkomotalnaya Fabrika, "Apparatus for winding filament onto a bobbin".

The 11th April 1989

328/Del/89. Raju Sabharwal & Others, "Audio door phone".

329/Del/89. Standipack Pvt. Ltd., "A pouch".

330/Del/89. Niky Tasha India Pvt. Ltd., "A cooking appliance".

331/Del/89. Madan Lal Puri, "An apparatus for the double distillation of liquids".

332/Del/89. Zaporozhskaya Shelkomotalnaya Fabrika, "Apparatus for winding filament onto bobbin in automatic cocoon reeling machine".

The 12th April 1989

333/Del/89. Dishl GMBH & Co., "Track or guide roller for track-laying vehicles".

334/Del/89. Duracell International Inc., "Injection moulded top". (Convention date 5th May, 1988) (U.K.).

335/Del/89. Interlego A. G., "A tool for use in the separation of elements in a building set".

336/Del/89. Salplex Ltd., "Mosfet power switch arrangements". (Convention date 6th May, 1988) (U.K.).

The 13th April 1989

337/Del/89. Colgate-Palmolive Co., "Low PH shampoo containing climbazole".

338/Del/89. Bertin & Cie, "Apparatus for the linear spraying of water for the cooling of metal sheets".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUNMILL COMPOUND, LOWER PAREL (W), BOMBAY-13

The 10th April 1989

89/Bom/89. Jayant Ganesh Vaidya, Static phase converter.

90/Bom/89. Indian Petrochemicals Corporation Limited. Process for the purification of contaminated process sulfolane or spent sulfolane.

91/Bom/89. Vanesh Gokal and Hemraj Gokal. A Toy.

92/Bom/89. Vanesh Gokal and Hemraj Gokal. An apparatus for agame.

The 12th April 1989

93/Bom/89. Emirio Gomes. An improved water check valves.

94/Bom/89. Chunilal B. Chowdhary. Improved UPVC floor trap or seal trap.

The 13th April 1989

95/Bom/89. Crompton Greaves Limited. A capacitive electrical choke for use in series with a gas discharge lamp and a gas discharge lamp having the capacitive electrical choke in series therewith.

The 14th April 1989

96/Bom/89. Rajendra Vasantilal Patel. Improved continuous/bath-wise process for purifying heat sensitive materials having 99.9% purity and collecting in reboiler solvent the polymers and high boiling traces of impurities from said purified materials.

The 17th April 1989

97/Bom/89. Vasantbhai Desaihbhai Patel and Ambalal R Patel. Filter press type bi-polar circular water electrolyser.

98/Bom/89. Abdul Aziz. A Push-Fit-Joint-System for covering joints formed in the construction of protective sheath (Casing-Caping) for electric conductors.

The 19th April 1989

99/Bom/89. Ion Exchange (India) Ltd. A novel chlorine activator for chlorinating potable water.

- 100/Bom/89. Eagle Flask Industries Private Limited. An improved heating rod.
- 101/Bom/89. Eagle Flask Industries Private Limited. An improved casserole.

The 20th April 1989

- 102/Bom/89. Kirloskar Pneumatic Co. Limited. Air filter for an expressor of diesel electric locomotive.
- 103/Bom/89. Kirloskar Pneumatic Co. Limited. A differential valve to offer an indication of loss of lubricating oil pressure in an expressor.

APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 10th April 1989

- 267/Mas/89. Monsanto Company. High temperature stable, low solvent swelling thermoplastic elastomer compositions.
- 268/Mas/89. Monsanto Company. High temperature stable, low solvent swelling thermoplastic elastomer compositions.
- 269/Mas/89. Ases Brown Boveri Ltd. Radial fan with integrated dust separator.
- 270/Mas/89. Maschinenfabrik Rieter AG. A circular comb segment for fixing on a circular comb roller of a combing machine.

The 11th April 1989

- 271/Mas/89. Cameron Forge Company. Walking beam furnace insulation.
- 272/Mas/89. Yugen-kaisha PARASIGHT. Multiple air layer liquid processing system.
- 273/Mas/89. Thermon Manufacturing Company. Flexible, elongated positive temperature coefficient heating assembly and method.
- 274/Mas/89. NU-PIPE, INC. Method and apparatus for installing a replacement pipe in an existing underground conduit.

The 12th April 1989

- 275/Mas/89. MASCHINENFABRIK RIETER AG. A method of drawing in a lap sheet between calender rollers of a lap winder.
- 276/Mas/89. Sandvik Aktiebolag. Roller bit.
- 277/Mas/89. Borden Inc. Manufacture of a soderberg incorporating a high carbon-contributing phenolic sacrificial binder.

The 13th April 1989

- 278/Mas/89. Makaram Alasinger and Balachandra Vaman Patankar. Improvements in or relating to electrical rotating machiner and the method of manufacturing the same.
- 279/Mas/89. GEC PLESSEY TELECOMMUNICATIONS LIMITED. Telecommunications transmission security arrangement. (16th August 1988, UK).
- 280/Mas/89. GINATTA TORMO TITANIUM S.p.A. A method for the electrolytic of a polyvalent metal and equipment for carrying out the method.

- 281/Mas 89. Ole-Bendt Rasmussen. Polymeric Film material and its production. (18th April 1988 UK).

The 17th April 1989

- 282/Mas/89. A. Rajendran. Ground nut sever.
- 283/Mas/89. D. Vijaya Kumar. Automatic switch on-off device for distillation.
- 284/Mas/89. Lucas Industries Public Limited Company. A method of controlling the brake pressure in an anti lock vehicle brake system.
- 285/Mas/89. Institut De Recherches De La Siderurgie Francaise (Irsid en abrégé) and Rotelec s.a. Device for protecting the poles of inductors and inductor equipped with this device.
- 286/Mas/89. Tates. Container.
- 287/Mas/89. Peter John Snelling. Improvements relating to drip irrigation tube and a method of manufacture of such tube.

The 19th April 1989

- 288/Mas/89. M. Gopi. Indian air-boat (Design No. : 3).
- 289/Mas/89. M. Gopi. Metalic safety tyre.
- 290/Mas/89. M. Gopi. "VOC. AIR Boat" (V.O.C. Model No. : 2).
- 291/Mas/89. BASF Corporation. Fluid loss control additives for oil well cementing compositions.
- 292/Mas/89. BASF Corporation. Process for the oxidation of hydrocarbons utilizing partitioning of oxidizing gas.
- 293/Mas/89. Elkem Technology a/s. "Method for the production of metals, particularly ferroalloys, by direct reduction and a column for treating particulate materials with gas".
- 294/Mas/89. S A E S Cetters S p A. High yield pan shaped getter device.
- 295/Mas/89. Dana Corporation. Clutch disc with cushioned friction element assembly.

The 20th April 1989

- 296/Mas/89. C. Rangaswamy. Electric insert killer.
- 297/Mas/89. Societe des products Nestle S. A. Protection of a food against oxidation.
- 298/Mas/89. The Dow Chemical Company. Coal slurry composition and treatment.
- 299/Mas/89. Glyco-Metall-Werke, Daelen & Loos GmbH. A laminate material or workpiece.
- 300/Mas/89. Glyco-Metall-Werke, Daelen & Loos GmbH. A laminate material or workpiece.
- 301/Mas/89. Union Switch & Signal Inc. Equipment mounting assembly for rail road car couplers.
- 302/Mas/89. Thirumalai Anandampillai Vijayam. An improved windmill.

The 21st April 1989

- 303/Mas/89. Minnesota Mining and Manufacturing Company. Bone Nailer.
- 304/Mas/89. BICC plc and Corning Limited. Method of conveying an optical fibre member and an apparatus for use therein. (April 22, 1988; United Kingdom).

ALTRATION

164810 Anti-dated 16th December, 1983.
(554/Del/86).

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by ANDREW AG, under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 163603 in their name has been allowed.

CLAIM UNDER SECTION 20(1)

The claim made by Shri Chandrakant vrajpal Solanki and Smt. Trupti Hitendra Solanki under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 163972 (348/BOM/1985) in their name has been allowed.

PATENTS SEALED

149763	159159	161565	162610	162730	163061	163066
163160	163231	163272	163287	163288	163295	163296
163297	163298	163300	163381	163425	163435	163441
163455	163473	163495	163502	163503	163504	163507
163509	163515	163517	163521	163522	163524	163527
163528	163529	163530	163531	163539	163540	163554
163555	163556	163562	163563	163568	163574	153575
163576	163587	163588	163594.			

CAL = 24

MAS = 16

DEL = 10

BOM = 3.

Specification for Patent No. 163037 (12/BOM/1986) for "A Device for dispensing two viscous substances separately simultaneously". The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estate, IIIrd Floor, Sun mill compound, Lower Parel (West), Bombay-400 013, on any working day during the usual office hour or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file the notice of opposition on the prescribed Form-30 alongwith full written statement within three months from the date of this notification at the Patent office Branch, Bombay.

If the full written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice of opposition.

Notice is hereby given that M/s. Hindustan Lever Limited, Hindustan Lever House 165/166 Backbay Reclamation, Bombay-400 020, Maharashtra, India, have made an application under Section 57 of the Patents Act, 1970 to correct certain obvious clerical error in the complete specification for Patent No. 162037 (220/BOM/1985) for "an improved process for the recovery of fatty acid from the oxidate obtained by oxidation of normal paraffins". The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estates, 3rd Floor, Sunmill Compound, Lower Parel (West), Bombay-400013, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendments may file the notice of opposition on the prescribed Form-30 alongwith full written statement within three months from the date of this notification at the Patent Office Branch, Bombay.

If full written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice of opposition.

Proposed Amendments under Section 57 of the Patents Act, 1970, as advertised in the Gazette of India, dated 10-9-1988 in connection with Patent Application No. 668/MAS/84 (162723) has been allowed.

RENEWAL FEES PAID

143507	144042	144449	144514	144800	145175	145196
145251	145386	145557	145813	146040	146339	146558
147670	148420	148513	148547	148716	148986	149070
149113	149556	149585	149907	149940	150051	150215
150493	150646	150748	150887	150949	151007	151044
151045	151555	151575	151583	151638	151671	151672
151719	151733	151847	152485	152522	152560	152600
152649	152650	152688	152696	152931	153035	153311
153603	153853	153854	153908	153917	153930	153959
153978	154270	154358	154596	154640	154646	154940
155291	155438	154962	156015	156044	156184	156403
156408	156511	156786	156990	157041	157298	157348
157380	157455	157467	157470	157495	157514	157651
157668	157990	158147	158195	158270	158384	158644
158649	158771	158793	159156	159297	159501	159550
159612	159842	159916	159917	160692	160996	161023
161028	161176	161243	162119	162211	162306	162385
162542	162543	162544	162545	162681	162686	162688
162710	162712	162713	162716	162718	162758	162759
162868	162950	163023	163094	163118	163196.	

CESSATION OF PATENTS

149194	149196	149197	149200	149201	149202	149203
149204	149205	149206	149209	149211	149217	149219
149221	149222	149226	149230	149231	149234	149237
149238	149239	149242	149243	149245	149246	149247
149248	149257	149259	149261	149262	149263	149264
149265	149266	149267	149269	149271	149272	149274
149277	149278	149282	149283	149285	149286	149291

The amendments proposed by the Bhabha Atomic Research Centre of Trombay, Bombay-400 085, Maharashtra, India in respect of patent application for Patent No. 158830 as advertised in Part III Section 2 of the Gazette of India, dated the 19th March, 1988 have been allowed.

Notice is hereby given that M/s. Pidilite Industries Limited, an Indian company at Retent Chambersm Nariman Point, Bombay-400021, Maharashtra, India have made an application under Section 57 of the Patents Act, 1970 for the change of name of the applicant from Pidilite Industries Private Limited to Pidilite Industries Limited in the application and Complete

149292 149299 149300 149303 149305 149308 149309
 149310 149312 149313 149316 149322 149323 149326
 149327 149329 149334 149335 149336 149337 149339
 149340 149341 149342 149343 149344 149345 149347
 149348 149351 149353 149354 149355 149356 149357
 149359 149360 149361 149362 149363 149365 149366
 149371 149374 149375 149376 149377 149378 156438
 162148 157966 152241 155887 156154 154458 161536
 159779.

NAME INDEXES OF APPLICANTS FOR PATENTS FOR THE MONTH OF JUNE, 1988 (Nos. 445/Cal/88 to 539/Cal/88, 157/Bom/88 to 188/Bom/88, 376/Mas/88 to 456/Mas/88 AND 485/Del/88 to 556/Del/88)

<i>Name & Appln. No.</i>
A
A Ashstrom Corporation.—423/Mas/88.
A. E. Bishop & Associates Pty. Limited.—445/Cal/88.
AEG Kabel Aktiengesellschaft.—467/Cal/88.
A. I. T. Applications Industrielles & Thermiques.—536/Del/88.
Ablestien Industries, Inc.—480/Cal/88.
Aerospatiale Societe Nationale Industrielle S. A.—520/Cal/88.
Agafonov, A. V.—514/Cal/88.
Agarawal, K.—163/Bom/88.
Agven medical Corporation Limited.—511/Cal/88.
Ahmedabad Textile Industry's Research Association.—165/Bom/88.
Ahuja, O. G.—178/Bom/88, 160/Bom/88, 161/Bom/88, 162/Bom/88.
Air Products and Chemicals, Inc.—383/Mas/88, 408/Mas/88.
Albright & Wilson Ltd.—493/Del/88.
Alcatel N. V.—500/Del/88.
AKZO nv.—388/Mas/88.
American Sterilizer Company.—471/Cal/88.
Ammonia Casale S. A.—443/Mas/88, 444/Mas/88.
Amoco Corporation.—496/Del/88.
Aqua Pura Technologies, Inc.—554/Del/88.
Asturiana De Zinc.—450/Mas/88.
Azerbaidzhansky Nauchno-Issledovatelsky I Proektno-Konstruktorsky Institut Neftyanogo Mashinostroenia Azinmash.—534/Cal/88.
B
BP Chemicals Ltd.—547/Del/88, 556/Del/88.
Babcock & Wilcox Company, The.—452/Cal/88.
Baus, H. G.—386/Mas/88, 390/Mas/88, 395/Mas/88.
Bechtel Group Inc.—428/Mas/88.
Belorussky gosudarstvenny universitet imeni V. I. Lenina.—506/Cal/88.
Bertin & Cie.—516/Del/88.
Bethlehem Steel Corporation.—459/Cal/88.
Bhagat, A. R. S.—477/Cal/88.

<i>Name & Appln. No.</i>
B (contd)
Bharat Heavy Electricals Ltd.—490/Del/88.
Bhat, M. J.—393/Mas/88.
Bhat, M. V.—393/Mas/88.
Biro, G. D.—512/Del/88.
Biro, R. D. B.—512/Del/88.
Bisarya, S. C.—546/Del/88.
Bowater Packaging Ltd.—487/Del/88.
Bukatov, A. S.—492/Cal/88, 514/Cal/88.

C

Carclo Engineering Group PLC.—399/Mas/88.
Caterpillar Inc.—394/Mas/88, 455/Mas/88.
Centre Technique Cuir Chaussure Maroquinerie.—507/Del/88.
Chaliha, I.—468/Cal/88.
Chatterjee, R. P.—453/Cal/88.
Chevron Research Company.—398/Mas/88, 429/Mas/88.
Chloride India Limited.—523/Cal/88.
Ciba-Geigy AG.—537/Del/88, 538/Del/88.
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D

Dake, S. S.—177/Bom/88.
Dake, S. S. (Smt.).—177/Bom/88.
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Dartnall Engineering & Innovation Pty. Ltd.—404/Mas/88.
Delong, E. A.—474/Cal/88.
Delong, E. P.—474/Cal/88.
Dholaria, K. R.—157/Bom/88.
Diamond Arch Systems Canada Inc.—458/Cal/88.
Digital Equipment Corporation.—403/Mas/88, 424/Mas/88, 524/Cal/88, 525/Cal/88, 526/Cal/88, 527/Cal/88, 528/Cal/88, 529/Cal/88.
Dow Corning Corporation.—407/Mas/88.
Dryacide Pty. Ltd.—502/Cal/88.
Du Pont Canada Inc.—484/Cal/88.
Dynamic Engineering Inc.—421/Mas/88.

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Eapan, V.—440/Mas/88.
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Edlon Products, INC. Polymer.—535/Cal/88.
Electrometal Limited.—493/Cal/88, 494/Cal/88, 495/Cal/88.
Emhart Industries, Inc.—492/Del/88, 524/Del/88.
Enichem Synthesis S.p.A.—422/Mas/88.
Etablissement Public De L'Etat Dit.—520/Cal/88.
Ethicon INC.—448/Cal/88.

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F. Hoffmann-La Roche & Co.—425/Mas/88. FMC Corporation.—525/Del/88. Faujdar, M. S.—541/Del/88. Fernandes, S.—173/Bom/88. Firma Theodor Hymmen.—389/Mas/88.	Institut Khimii I Tekhnologii Redkikh Elementov I Mineral-nogo Syrya Kolskogo Tiliala Akademii Nauk SSSR.—466/Cal/88. Institut Nazionale per La Ricerca Sul Canero.—427/Mas/88. Inventio AG.—419/Mas/88.
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GEC Plessey Telecommunications Limited.—402/Mas/88, 414/Mas/88. Garg, T.—521/Cal/88, 522/Cal/88. Gaslow International Ltd.—488/Del/88. Gaslow International Ltd.—488/Del/88. General electric company.—507/Cal/88. Gerin, M.—418/Mas/88, 435/Mas/88. Gillette Company, The.—491/Del/88. Glaverbel.—489/Del/88. Gokak, M.I.A.R.—182/Bom/88. Groznensky Filial Okhtinskogo Nauchno-Proizvodstvennogo obiedinenia "Plastpolimer".—531/Cal/88. Gupta, E. K.—545/Del/88. Gupta, P.—511/Del/88. Gupta, S.—511/Del/88.	Jencorp Nominees Limited.—478/Cal/88, 536/Cal/88. John, C. V.—441/Mas/88. Johnson & Johnson Patient Care Inc.—451/Cal/88. Joshi, S. P.—420/Mas/88. Joy, P. T.—164/Bom/88.
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IDL Chemicals Limited.—413/Mas/88. Institut Elektrosvarki Imeni E. O. Patona Akademii Nauk Ukrainskoi SSR.—450/Cal/88, 497/Cal/88. Institut fiziki akademii nauk lativiskoi SSR Rizhsky politeknichesky institut imeni A.—500/Cal/88. *Institut Francais Du Petrole.—445/Mas/88. Institut Gornogo Dela Sibirskego Otdelenia Akademii Nauk SSSR.—475/Cal/88. Institut Khimicheskoi Fiziki Akademii Nauk-SSSR.—531/Cal/88.	Laboratoires Flork S. A.—382/Mas/88. La Telemecanique Electrique.—539/Del/88. Lipatov, V. A.—496/Cal/88. Lipha, Lyennaise Industrielle Pharmaceutique.—518/Del/88. Lubrizol Corporation, The.—505/Del/88, 514/Del/88, 522/Del/88, 523/Del/88, 544/Del/88, 551/Del/88. Luckey Biotech Corporation.—460/Cal/88. Lvovskoe Tsentralnoe Konstruktorsko-Tekhnologiches-Koe Bjuro Kievskogo Nahcno-Proizvodst-vennogo Obiendinenia "Elektrobytprapor".—462/Cal/88.
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	Makeevsky Inzhenerno Stroitelny Institut.—487/Cal/88. Mannesmann Aktiengesellschaft.—452/Mas/88. Maschinenfabrik Rieter AG.—449/Mas/88. Maschinenfabrik Rieter AG.—437/Mas/88, 449/Mas/88. Materials Consultants Oy.—530/Cal/88.

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- Mathen, P. K.—447/Mas/88.
 MCNEILAB, INC.—503/Cal/88.
 Metal Box plc.—378/Mas/88, 426/Mas/88.
 METALLGESELLSCHAFT AKT ENGESELLSCHAFT.—
 469/Cal/88, 502/Cal/88.
 Mistry, F. R.—442/Mas/88.
 Mitsubishi Denki Kabushiki Kaisha.—384/Mas/88, 391/
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 Mitsui Toatsu Chemicals, Incorporated.—516/Cal/88, 517/
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 Mobil Oil Corporation.—409/Mas/88.
 Mobil Solar Energy Corporation.—499/Del/88.
 Moskovskoe Vyshee Tekhnicheskoe Uchilische Imeni N. E.
 Baumana.—533/Cal/88.

N

- N. V. Raychem S. A.—436/Mas/88.
 Nagaraj, T. V.—448/Mas/88.
 Nagpur University.—535/Cal/88.
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 Netzs-Mohnopumpen GmbH.—513/Cal/88.
 Nevikov, N. M.—519/Del/88.
 Neyrpic.—489/Cal/88.
 Norsk Hydro A. S.—552/Cal/88.
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O

- Onoda Cement Company, Ltd.—392/Mas/88.

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- PPG Industries, Inc.—520/Del/88, 532/Del/88.
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 Popov, N. P.—473/Cal/88.
 Prabhu, C. S.—396/Mas/88.
 Prabhu, P. M.—176/Bom/88.
 Procter & Gamble Co., The.—521/Del/88, 527/Del/88,
 542/Del/88, 553/Del/88.
 Punjab Tractors Limited.—515/Del/88.

*Name & Appln. No.***R**

- Raja Bahadur Motilal Poona Mills Limited, The.—171/
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 Rao, R. (Mrs.) (Dr.).—546/Del/88.
 Rautaruukki Oy.—387/Mas/88.
 Ricardo Consulting Engineers PLC.—380/Mas/88.
 Ruhrikohle Aktiengesellschaft.—497/Del/88.

S

- SKF Textilmaschinen-Komponenten GmbH.—455/Cal/88.
 S A M M Sosiete D' Applications Des Machines Motrices.—
 456/Mas/88.
 Saha, S. P.—538/Cal/88.
 Slaford University Civil Engineering Limited.—377/Mas/88.
 Sangamo Weston, Inc.—531/Del/88.
 Sasi, M. M.—168/Bom/88.
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 Schubert & Salzer Maschinenfabrik.—438/Mas/88.
 Schweizerische Isolawerke.—528/Del/88, 529/Del/88.
 Sers-Societe Des Electrodes Et Refractories Savoie.—397/
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 Seshadri, K.—439/Mas/88.
 Shalimar Comptech Private Limited.—417/Mas/88.
 Shell Oil Co.—543/Del/88.
 Shinde, P. R.—172/Bom/88.
 Sholokhov, V. B.—519/Del/88.
 Shridhar, V. K.—170/Bom/88.
 Siemens Aktiengesellschaft.—446/Cal/88, 447/Cal/88, 461/
 Cal/88, 485/Cal/88, 504/Cal/88.
 Sinha, B. P. (Dr.).—537/Cal/88.
 Skandigen A. B.—513/Del/88.
 Societe De Conseils De Recherches Et D' Applications Scienti-
 fiques (S. C. R. A. S.).—494/Del/88.
 Sparbanken Syd.—503/Del/88.
 SPOFA, spojene podniky pro zdravotnickou výrobu.—476/
 Cal/88.
 Stahlwerke bochum aktiengesellschaft.—498/Cal/88.
 Stamicarbon, B. V.—415/Mas/88.
 Steel Authority of India Ltd.—506/Del/88.

T

- TVS-Suzuki Limited.—376/Mas/88.
 Talyshinsky, I. T.—473/Cal/88.
 Tretyakov, E. A.—473/Cal/88.
 Tycon SPA.—454/Cal/88.

U

- UOP Inc.—533/Del/88.
 Ukrainsky Institut Inzhenerov Vodnogo Khozyaistva.—532/
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 Unilever PLC.—508/Cal/88.
 Union Carbide Corporation.—379/Mas/88, 401/Mas/88,
 406/Mas/88, 451/Mas/88, 453/Mas/88.
 Union Rheinische Braunkohlen Kraftstoff AG.—550/Del/88.
 Uralskoe Proizvodstvenno-Tekhnicheskoe Predpriyatie "Ura-
 lenergochermet".—467/Cal/88.

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V

Varadaraj, L. C.—430/Mas/88, 431/Mas/88, 432/Mas/88.
433/Mas/88, 434/Mas/88

Vikhre, V. I.—519/Del/88

Voest-Alpine Aktiengesellschaft.—479/Cal/88.

Voest Alpine Industrieanlagenbau Gesellschaft m. b. H.—
501/Del/88.

Vyas, J. T.—158/Bom/88.

W

W. S. Industries (India) Limited.—381/Mas/88.

Warman International Ltd.—509/Cal/88, 510/Cal/88.

Warner-Lambert Co.—555/Del/88.

Westinghouse electric corporation.—499/Cal/88.

Wilkinson Sword Gesellschaft Mit Beschränkter Haftung.—
540/Del/88.

Y

Yalata Pty. Ltd.—454/Mas/88.

Z

Zemna-Starker Ombh & Co. Kg.—512/Cal/88.

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2—97 GI/89

स्वीकृत सम्पूर्ण विनिर्देश

एतददारा यह सूचना दी जाती है कि सम्बद्ध अवैदनी में से किसी पर पेटेंट प्राप्तिकान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समानित के पूर्व पेटेंट नियम 1972 के सहत विहित प्रपत्र 1 4 पर आवेदित एक महीने की अवधि से अधिक न ही के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के प्रत्यनुरूप हैं।"

नीचे सूची दृष्ट विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण रोड, शाय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है (यदि भारत के बाहर भेजे जायें तो अतिरिक्त डाक खर्च) मुद्रित विनिर्देशों को आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रविशित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

स्पांकन (चित्र आरेखों) की फोटो प्रतियाँ यदि कोई हो; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियाँ की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र अवश्यार द्वारा करने के उपरांश उसकी अवायर्गी पर को जा सकती हैं। विनिर्देश पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे घण्टि चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचलन किया जा सकता है।

CLASS : 33-A.

164781

Int. Cl. : B 22 d 11/06.

METHOD AND APPARATUS FOR THE CONTINUOUS CASTING OF METAL BETWEEN TWO AXIALLY PARALLEL COOLED CYLINDERS.

Applicant : CONCAST SERVICE UNION AG, OF TODI-STRASSE 7, 8027 ZURICH, SWITZERLAND.

Inventor : FRITZ WILLIM.

Application No. 131/Cal/85 filed February 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

Method for continuous casting of metals, especially of steel in the form of band or thin slabs, between two axially parallel cooled drums, whose mutually confronting outer surfaces are moved uniformly in the direction of metal feed at the extraction speed of the strand, whereby the liquid metal is fed into a hollow mold chamber delimited by both drums and the cast band is held against the outer surface of one of the drums after the narrowest drum spacing, characterized in that said band is a partially cooled cast band having a still considerable portion of liquid core obtained due to a predetermined relationship between band thickness and casting speed followed by further cooling said partially cooled band to complete solidification stage held against said one drum surface by a support corset over and angle of at least 90° preferably one of 180° to 210°.

Compl. specn. 28 pages.

Drgs. 2 sheets

CLASS : 206-E.

164782

Int. Cl. : G 05 d 15/00.

FRICITION SLUTCH ENGAGEMENT CONTROL SYSTEM AND A TRACTOR COMPRISING SAID SYSTEM.

Applicant : MASSEY-FERGUSON SERVICES N. V., OF ABRAHAM DE VEERSTRAAT 7A, CURACAO, NETHERLANDS ANTILLES.

Inventors : REGIS BELLANGER.

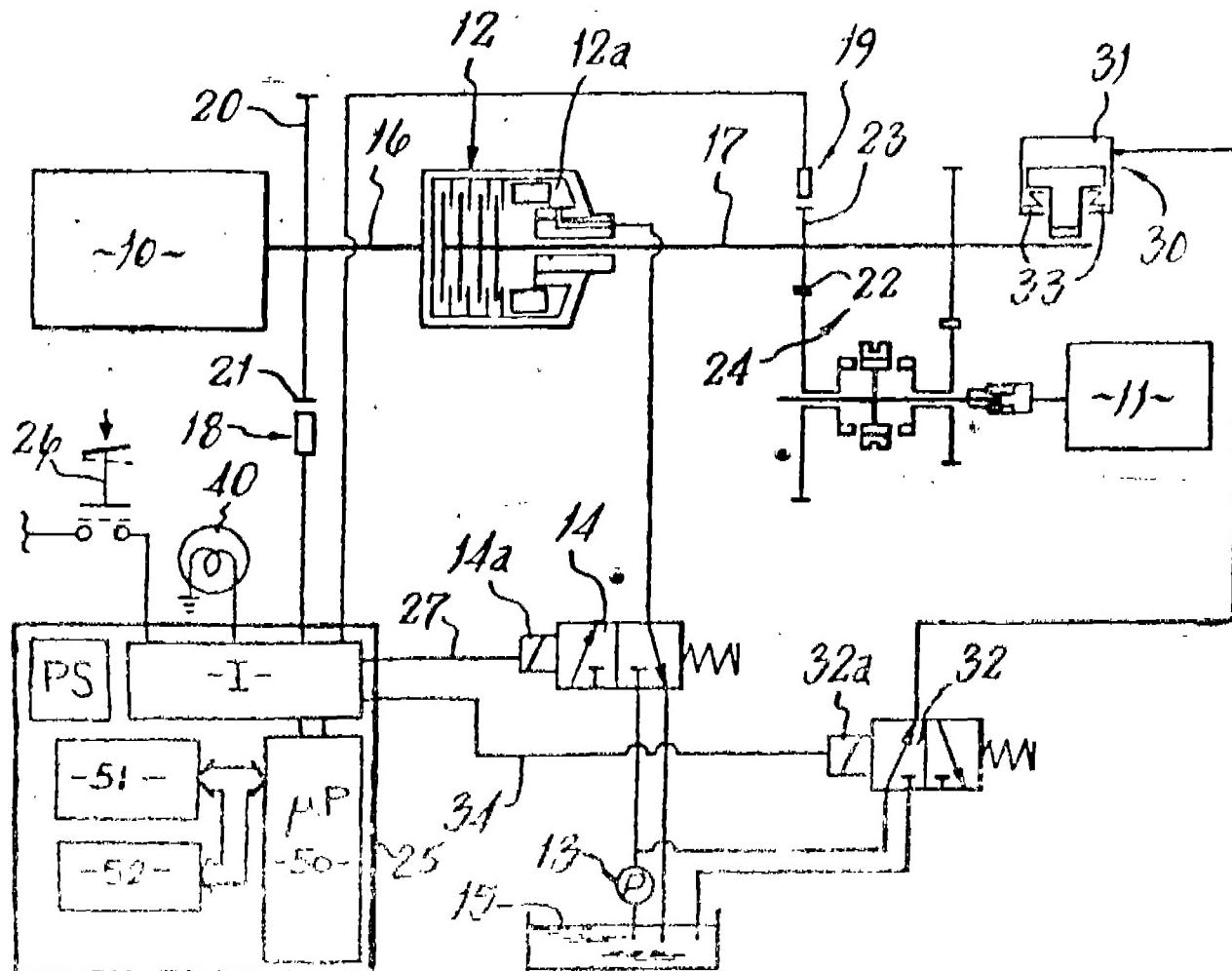
Application No. 225/Cal/83 filed March 26, 1985.

Convention dated 5th April 1984 (8408841) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A system for controlling the engagement of a friction clutch of the type specified, comprising a pulse width modulation function for providing a series of electrical pulses to the solenoid of the valve in successive predetermined time intervals during the clutch engagement process, each pulse having an "on" period during which the valve connects the engaging means to a source of pressurised fluid and an "Off" period during which the valve connects the engaging means to a dump line, sensing means to provide signals indicative of the input and output speeds of the clutch, and processing means for establishing for successive time intervals the ratio between the input and output speeds of the clutch and the change in this ratio by comparison with said ratio for a previous time interval, said processing means comparing said change in ratio with target change in ratio set by the system for the respective time interval to produce an error signal and using said error signal to determine the target change in ratio for the next successive time interval and to set the on/off ratio of the pulse width modulation function for the next successive time interval so as to adjust the clutch engagement pressure to tend to reduce said error signal to zero.



Compl. specn. 21 pages.

Drgs. 5-sheets

CLASS : 6 B., & 88-F.

164783

Int. Cl. : B 01 d 50/00.

QUENCH RING AND DIP TUBE ASSEMBLY.

Applicant : TEXACO DEVELOPMENT CORPORATION,
OF 2000 WESTCHESTER AVENUE, WHITE PLAINS,
NEW YORK, 10650 U. S. A.

Inventors : JAMES ROBERT MUENGER.

Application No. 297/Cal/85 filed April 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A quench water distribution ring and dip-tube assembly in combination with a refractory lined reaction chamber which are located in the same vertical cylindrical free-flow gasifier, said quench liquid distribution ring and dip-tube assembly being for use in a hot effluent gas quench cooling zone partially filled with quench water which is located in the bottom section of said vertical cylindrical free-flow gasifier for the partial oxidation of a sulfur and metals-containing liquid hydrocarbonaceous fuel or a pumpable slurry of solid carbonaceous fuel at a temperature in the range of about 1800° to 3000°F to produce a stream of a raw synthesis gas, reducing gas or fuel gas, comprising :

H_2 , CO, CO_2 , H_2O , and containing entrained particulate matter from the group consisting of particulate carbon, soot, ash, slag, unburned solid fuel, and mixtures thereof, wherein said refractory lined reaction chamber has a refractor lined bottom central effluent gas discharge passage whose central longitudinal axis is coaxial with that of the gasifier, and said reaction chamber is in the upper section of said gasifier and has a supporting floor with a floor flange for said refractory lining, characterized by an annular shaped quench water distribution channel having a vertical central axis which is coaxial with that of said central effluent gas discharge passage and having inner and outer vertical cylindrical shaped walls and a flat ring shaped closed bottom that extends between said walls;

a quench ring face and cover for said quench water distribution channel having a vertical central axis which is coaxial with that of said distribution channel and comprising a vertical cylindrical shaped leg portion that extends downward and which has inside and outside faces, and a horizontal flat ring plate portion that extends perpendicularly and outwardly from the top of said leg portion, wherein the downstream outlet of said refractory lined central effluent gas discharge passage terminates near the top of said quench ring face and cover, and wherein the inside surface of said inner cylindrical wall of said distribution channel is radially and uniformly spaced from the outside surface of the vertical cylindrical shaped leg portion of said quench ring face and cover to provide an annular shaped gap of uniform width from top to bottom;

wherein the inside diameter of the vertical cylindrical shaped leg portion of said quench ring face and cover is increased radially beyond the diameter of the central effluent gas discharge passage, and a rear portion of the flat underside of the refractory lining at the

downstream end of said central passage is supported by said quench ring cover while a front portion overhangs the vertical leg portion of the quench ring face and cover and slopes downward at an angle in the range of about 10° to 30°;

means for securing the top of said quench water distribution channel to the underside of the horizontal ring plate portion of said quench ring face and cover, and for securing the upper surface of said horizontal ring plate portion to said refractory support floor flange;

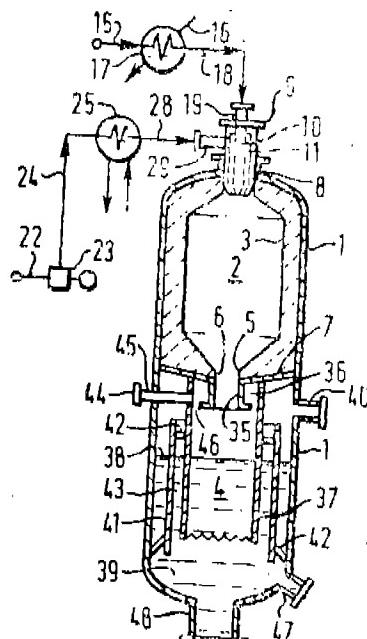
gasketing means between at least one surface of said horizontal ring plate portion of the quench ring face and cover and at least one mating surface;

a plurality of slot orifices of uniform cross-section passing through the top of said inner wall of said distribution channel and providing a plurality of passages between said distribution channel and said annular shaped gap, wherein a straight extension of the furthest side of each slot orifice from the central longitudinal axis makes an angle with a radial in a horizontal plane that intersects the central longitudinal axis of said quench water distribution channel and said slot orifice, such that a plurality of streams of quench water emerge simultaneously and horizontally from the plurality of slot orifices to merge into a single swirling body of quench water.

a coaxial vertical cylindrical shaped dip-tube extending downward from the inner vertical wall of said distribution channel to below the level of said quench water; and

at least one inlet means provided in the bottom of said distribution channel for introducing quench water:

whereby said annular shaped gap is operated full of said quench water and free from gas and vapor pockets, and a spiralling layer of quench water is supplied to and distributed over the entire inside surfaces of the inner wall of said water distribution channel and the cylindrically shaped dip-tube.



Class : 126-D.

164784

Class : 63-B; I.

164785

Int. Cl. G 01 R 11/00.

Int. Cl. H 02 K 3/00

**DEVICE FOR DETERMINING THE FLUX VECTOR
OF AN INDUCTION MACHINE FROM STATOR
CURRENT AND STATOR VOLTAGE.**

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF
WITTELSHACHER- PLATZ 2, D-8000,
MUNCHEN 2, WEST GERMANY.

Inventor : FELIX BLASCHKE.

Application No. 306/Cal/85 filed April 20, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents
Rules, 1972) Patent Office, Calcutta.

11 Claims

A device for determining the flux of an induction machine from stator voltage and stator current, comprising :

(a) an EMF-detector (55) which forms, from measured values of current (I/S) and voltage (4/9), an EMF-vector (e/5);

(b) a calculating stage (74) which, by means of a feed-back signal ($4s$) derived from the flux vector, forms a modified EMF-vector ($e4$);
and

(c) an integration stage (58) which, through integration of the modified EMF-vector, forms the flux vector (Ψ_0); and wherein

(d) the calculating stage contains means (3, 79) for forming the orthogonal EMF-components in a rotary coordinate system;

(e) the integration stage contains, for forming a first integrator signal (4, 41), a first integrator (5) to which the first orthogonal EMF-component (e41) is supplied and whose output signal determines the first component of the flux vector in the rotary reference system or, in the case of the flux parallel coordinate axis, the magnitude coordinate of the vector; and

(f) an angle signal former (2, 4) is provided with a second integrator (2) for forming a second integrator signal, in which case the second integrator (2) is acted upon by the feed back signal ($4s$) derived from a variable (4s or 45) of the determined flux vector and assigned to the frequency of the flux vector; and the second integrator signal ($4s$) is supplied, as angle of rotation of the rotary coordinate system, to the calculating stage (74). (fig. 11).

Compl. Specn. 33 pages

Drg. 8 sheets

**A THREE-PHASE OR OTHER MULTIPHASE BAR
WAVE WINDING FOR A P-POLE PAIRED ELEC-
TRICAL MACHINE WITH N SLOTS.**

Applicant : SIEMENS AKTIENGESELLSCHAFT OF
MUNICH, WEST GERMANY.

Inventor : HERBERT AUINGER

Application No. 327/Cal/85 filed April 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Three-phase or other multiphase bar wave winding for a p-pole-paired electrical machine with N slots, in which the individual star-connected winding phases have in each case a wave train on the input side, a reversing connection and also a wave train on the output side (on the star point side), wherein the coil member q_1 per pole and phase of the wave trains on the input side is greater than the corresponding coil number q_2 per pole and phase of the wave trains on the output side and both wave trains of each winding phase have, in each case, a coil series directed in the same direction, while the circuit arrangement of the one wave train is constructed so that it is right-handed and that of the other wave train is constructed so that it is left-handed (Figures 3, 4, 7, 8).

Compl. specn. 21 pages.

Drgs. 18 sheets

CLASS : 32-F 2ab, 3ab : 55-Ea & 60-X.

164786

Int. Cl. : A 61 k 17/00; C 07 d 99/00.

A PROCESS FOR THE PREPARATION OF A GANGLIOSIDE DERIVATIVE.

Applicant : FIDIA S.P.A., OF VIA PONE DELLA FABBRICA, 3/A, 35031 ABANO TERME, ITALY.

Inventors : (1) FRANCESCO DELLA VALLE, (2) AURELIO ROMEO.

Application No. 477/Cal/85 filed June 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of a ganglioside derivative comprising :

(a) treating with a cation exchange resin in metalized form at least one ganglioside, or a peracylated derivative thereof wherein the hydroxyl groups of said ganglioside are peracylated, to produce a metallic salt of said ganglioside/s, or of said peracylated derivatives thereof;

(b) treating the thus produced metal salt of step (a) with an etherifying agent containing a hydrocarbon to be coter bonded to the carboxylic groups of the sialic said residues of said gangliosides.

Compl. specn. 96 pages.

Drgs. 1 sheet

CLASS : 145-D. 164787

Int. Cl. : D 21 f 1/00, 1/74.

A CONTROLLED DEFLECTION ROLL FOR PAPER
BELOIT, WISCONSIN 53511, U.S.A.

Applicant : BELOIT CORPORATION, P. O. BOX 350,
BELOIT WISCONSIN 53511, U. S. A.

Inventors : EDGAR J. JUSTUS.

Application No. 541/Cal/85 filed July 22, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

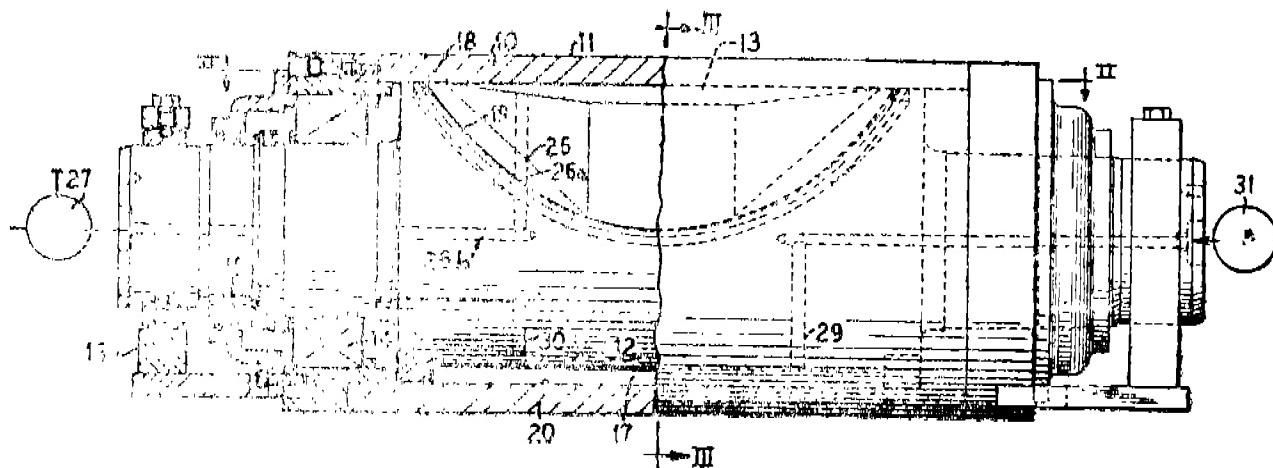
A controlled deflection roll for paper making machine comprising in combination :

a rotary tubular roll shell having an outer surface for pressure engagement along a working face to perform a pressing operation;

a stationary shaft extending through the roll shell supported at its ends for carrying the shell defining a pressure chamber between the working face area of the shell and the shaft for transmitting forces from the roll shell to the shaft and supporting the shell by fluid pressure in the chamber;

and a seal carried on the shaft between the shaft and shell maintaining pressure in the chamber;

said seal shaped on the leading side of the chamber relative to the direction of shell rotation to induce a flow of fluid carried by the inner surface of the roll shell past the seal to pressurize said chamber.



Compl. specn. 15 pages.

Drgs. 2 sheets

CLASS : 164788

Int. Cl. : C 92 f 3/00.

**ANAEROBIC PURIFICATION EQUIPMENT FOR
WASTE WATER.**

Applicant : PAQUES B. V., OF T. DE BOERSTRAAT 11,
8561 EL BALK, THE NETHERLANDS.

Inventors : VELLINGA, SJOERD HUBERTUS JOZEF.

Application No. 549/Cal/85 filed July 24, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An aerobic purification equipment for waste water comprising :

a container with a reactor chamber for fermentation;
means for introducing influent into the reactor chamber;
at least one overflow gutter for collecting purified water by overflow gutter;

fitted below the level of the overflow gutter; a first collecting system for collecting and removing gas from the liquid;

characterised in that the second collecting system (5) for collecting and removing gas and buoyant sludge is fitted at a distance below the first collecting system (6), which second system (5) has a hydraulic link with at least one rising pipe (7, 7', 27, 32, 31) for raising liquid-sludge mixture by gas lift action;

said rising pipe discharging into a separation device (8; 33) for separating gas and liquid.

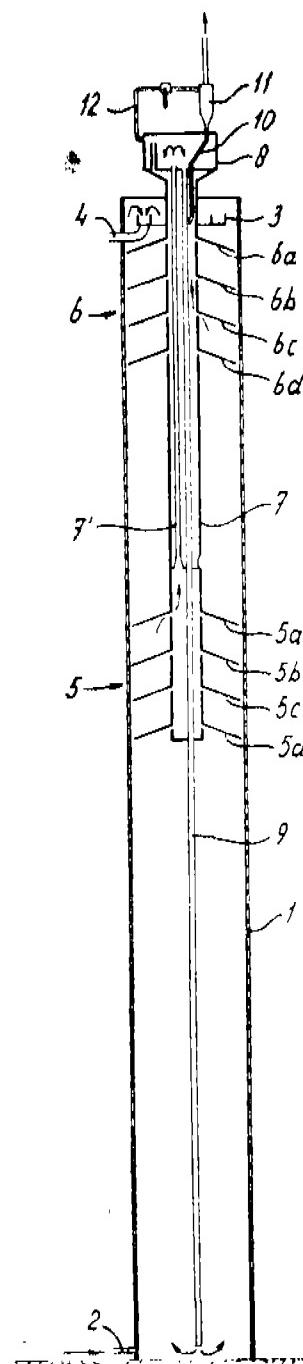


Fig. 1

Compl. specn. 11 pages.

Drgs. 5 sheets

CLASS :

164789

Int. Cl. : C 08 f 4/00.

A PROCESS FOR THE MANUFACTURE OF A CATALYST BEING AN INTERMEDIATE FOR THE PREPARATION OF A CATALYST SYSTEM FOR POLYMERISATION.

Applicant : SOCIETE CHIMIQUE DES CHARBONNAGES S.A., OF TOUR AURORE-PLACE DES REFLETS-CEDEX 05; F-92080 PARIS, LA DEFENSE 2, FRANCE.

Inventor : BUJADOUX KAREL.

Application No. 772/Cal/85 filed October 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the manufacture of a catalyst system being an intermediate for the preparation of a catalyst system for polymerisation comprising :

- (A) a mixture of at least one chloride such as herein-described of a transition metal M selected from iron, vanadium and chromium and at least one electron donor such as herein described in respective proportions such that said chloride be soluble in said electron donor, and
- B) a titanium or vanadium compound such as herein-described in the liquid state, the molar ratio of the metal M to the compound (B) being between 0.3 — and 6 wherein :
 - in a first step said electron donor and said chloride — of metal M are reacted at a temperature of between 2 and 400 minutes to form a soluble compound (A), and
 - in a second step the soluble compound (A) so obtained is mixed with said compound (B) at a temperature below or equal to 120°C.

Compl. specn. 14 pages.

Drgs. Nil

CLASS : 194-C₁.

164790.

Int. Cl. H 01 j 29/02.

COLOR PICTURE TUBE HAVING IMPROVED SLIT COLUMN PATTERN IN SHADOW MASK.

Applicant : RCA LICENSING CORPORATION, OF 30 ROCKFELLER PLAZA, NEW YORK, 100020, U.S.A.

Inventors : (1) WALTER DAVID MASTERTON, (2) ANDREW GOOD.

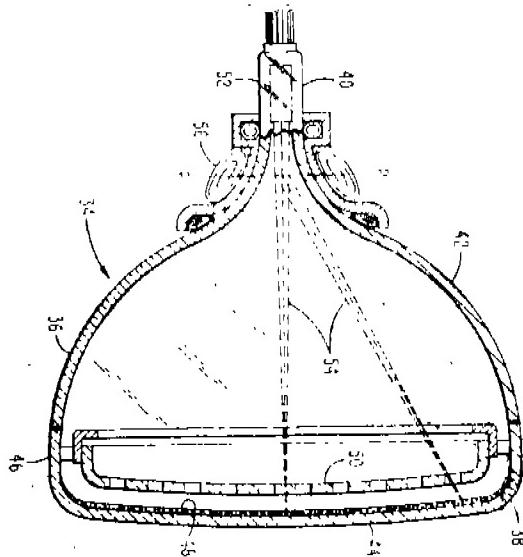
Application No. 886/Cal/85 filed December 09, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A color picture tube having a line-type phosphor screen and a slit-type apertured mask of similar contour and adjacent thereto, the lines of said screen being substantially straight and substantially parallel to one another, and the apertures in said mask having transmission-limiting portions arranged

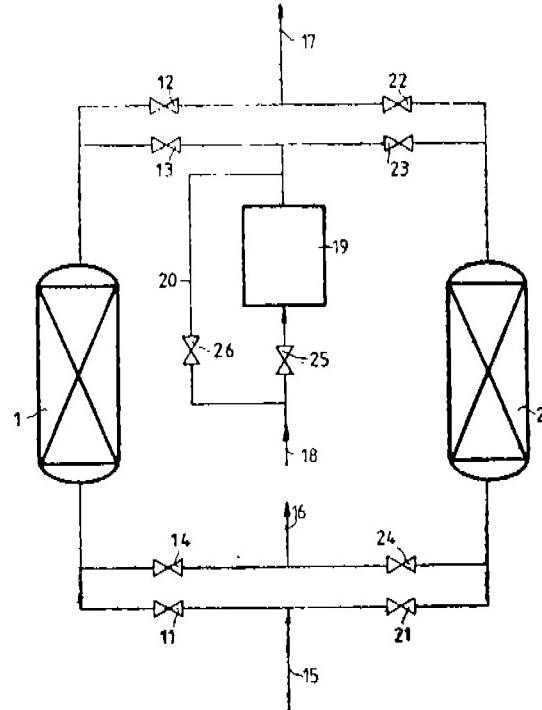
in columns, the columns passing through a center portion of said mask being substantially straight, and the columns on both sides of said center portion being convexly curved toward said center portion and increasing in curvature in respect of successive columns going outwards from said center portion.



Compl. specn. 13 pages.

Drgs. 4 sheets

layer of adsorbent as herein defined, which is selective for the adsorption of water, and then through a second layer of adsorbent as herein defined which is also selective for water, the said second layer of adsorbent traversed by the gaseous stream consisting an adsorbent having a lower adsorption capacity for said at least one polymerizable compound than the first layer.



Int. Cl. : B 01 D 53/04.

164791

A PROCESS FOR PREPARING A DRY CASEOUS STREAM.

Applicant : LINDE AKTIENGESELLSCHAFT, OF ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A WEST GERMAN COMPANY.

Inventors : (1) GUNTER KLEIN, (2) HANS-JURGEN WERNICKE.

Application No. 204/Mas/85 filed March 19, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

4 Claims

In a process for preparing a dry gaseous stream wherein the gaseous stream is fed, during an adsorption phase, to the inlet end of an adsorber having an adsorption bed, the dried gaseous stream is withdrawn from the outlet end of the adsorber, wherein, after termination of the adsorption phase, a regenerating gas introduced via the outlet end of the adsorber which is passed through the adsorber at a sufficiently elevated temperature to desorb H₂O, and regenerating gas loaded with desorbed steam is withdrawn from the adsorber, said gaseous stream containing at least one compound tending to polymerize under the regenerating conditions of the adsorption process, the improvement being the adsorption bed is subdivided into at least two layers containing different absorbing capacity passing the gaseous stream through a first

Compl. specn. 14 pages.

Drgs. 2 sheets

Int. Cl. : F 16 H 25/00.

164792

DECOMPRESSION DEVICE FOR A FOUR-STROKE CYCLE INTERNAL COMBUSTION ENGINE.

Applicant : HONDA CIKEN KOGYO KABUSHIKI KAISHA, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, OF 27-8, JINGUMAE 6-CHOME, SHIBUYA-KU, TOKYO, JAPAN.

Inventors : (1) TAKANORI ONDA, (2) TAKEO SATO.

Application No. 222/Mas/85 filed March 23, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

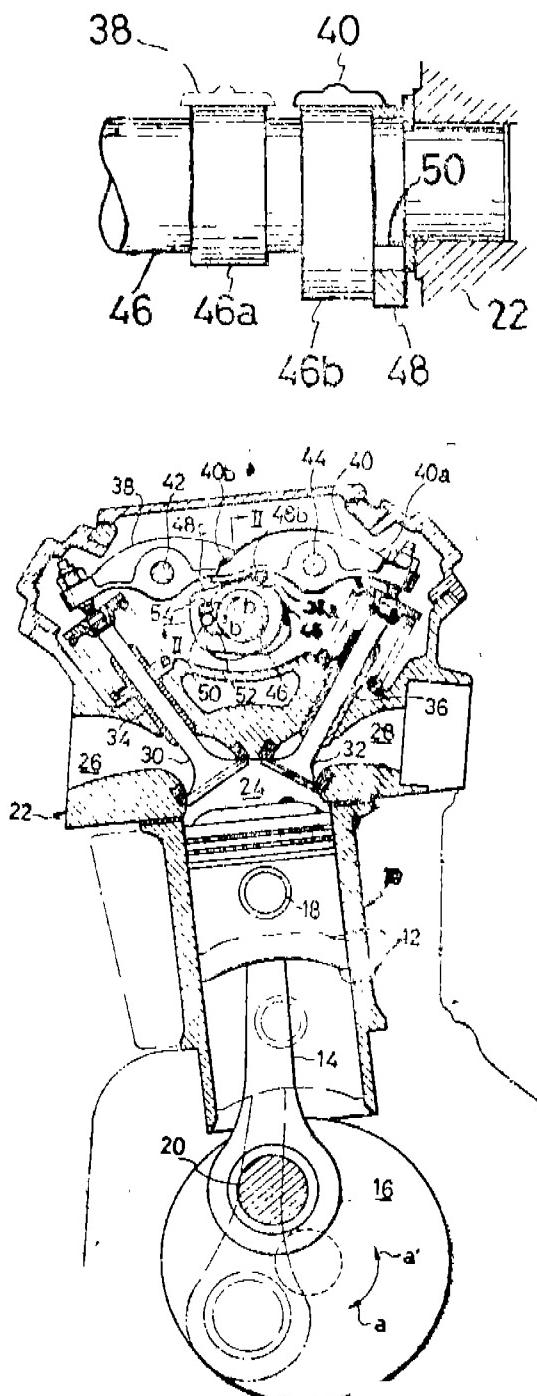
15 Claims

A decompression device for a four stroke cycle internal combustion engine having at least one power cylinder including a crankshaft having a normal direction of rotation, a valve associated with the combustion chamber of the power

cylinder, and valve control means having a camshaft rotatable with the rotation of said crankshaft for causing said valve to intermittently open and close in response to the rotation of said crankshaft which comprises :

reverse rotation detecting means for detecting a reverse rotation of said crankshaft; and

valve actuating means comprises a cam and one-way clutch member associated with said valve control means and said reverse rotation detecting means, for preventing said valve control means from causing said valve to close in response to the detection of said detecting means.



Compl. specn. 29 pages.

Drgs. 7 sheets

Int. Cl. : C 02 F 11/06.

164793

A METHOD OF PRODUCING A STABLE COMPOSITION CONSISTING OF CO, CO₂, H₂, H₂O, HCl AND CL₂ FROM HAZARDOUS WASTE MATERIAL.

Applicant : SKF STEEL ENGINEERING AB, OF P. O. BOX 202, S-813 00 HOFORS, SWEDEN. A SWEDISH COMPANY.

Inventors : LARS BENGTSSON; JARI MARTELSSON.

Application No. 257/Mas/85 filed 2 April, 1985.

Appropriation Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A method of producing a stable gas composition consisting of CO, CO₂, H₂, H₂O, HCl and CL₂ from hazardous waste material as herein described comprising the steps of incinerating the said waste material in an atmosphere deficient in oxygen at a temperature of at least 1200°C, the ratio between the injected waste and the oxidant being regulated to give a quotient CO₂/CO + CO₂ of less than 0.1 so as to carry out the incineration under stoichiometric condition, the duration of the mixture of oxidant and the said waste material in the incineration zone being in the range of 0.5 to 1 sec. thereafter recovering the resulting gas composition in a known manner.

Compl. specn. 8 pages.

Drg. 1 sheet

Int. Cl. : C 08 G 69/36.

164794

PROCESS FOR THE PREPARATION OF POLYTETRAMETHYLENE ADIPAMIDE.

Applicant : STAMICARBON B. V., (LICENSING SUBSIDIARY OF DSM), OF MIJNWEG 1, 6167 AC GELEEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventors : (1) REINOUW JAAP GAYMANS, (2) ANTONIUS JOZEF PETER BONGERS.

Application No. 332/Mas/85 filed May 1, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

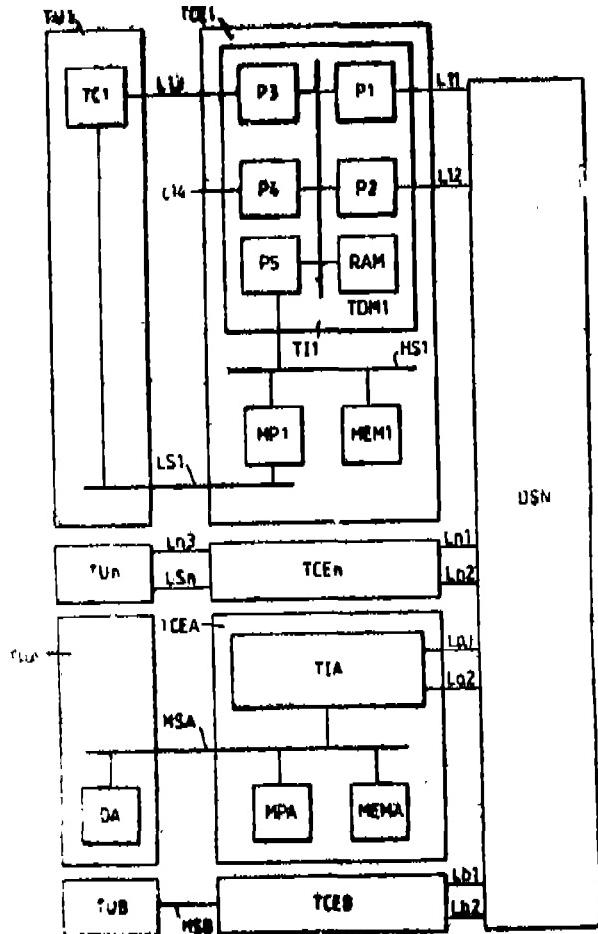
5 Claims

Process for the preparation of polytetramethylene adipamide by heating the salt of 1, 4 diaminobutane and adipic acid, optionally with at most 25 wt. % other polyamide-forming compounds, under elevated pressure and subjecting the prepolymer thus formed after condensation in at least one subsequent reaction zone, characterized in that a prepolymer-containing liquid reaction mixture is prepared at a temperature of at most 230°C at a pressure between 2 and 100 bar, the temperature of this reaction mixture is maintained above its solidification point in a second reaction zone while the pressure is simultaneously reduced and after separation of the gas phase the reaction mixture in liquid form is reacted for a period of from 1 to 60 minutes at a temperature of up to above 310°C at a reduced pressure to obtain polytetramethylene adipamide in liquid or if required after cooling in solid form.

Compl. specn. 18 pages.

Drg. 1 sheet

said modules (TCE1, 14, 27, 40) and indirectly from those memories to memories of the remainder of said modules (TCE1/n).



Compl. specn. 31 pages.

Drgs. 3 sheets

Int. Cl.⁴ : H 01 H 33/64.

164798

GAS BLAST SWITCH HAVING TWO CYLINDRICAL
CONTACTS AND A HOT SPACE.

Applicant : BBC BROWN BOVERI LIMITED, OF CH-
5401, BADEN, SWITZERLAND, A SWISS COMPANY.

Inventor : EKKEHARD SCHADE.

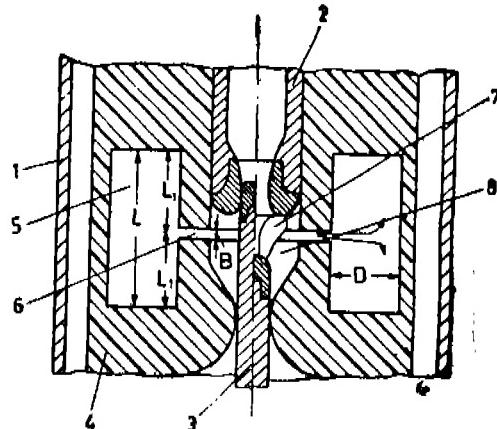
Application No. 374/Mas/85 filed May 21, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

Gas blast switch having two cylindrical contacts (2, 3) movable relative to one another on the cylinder axis and having a heating volume, coaxially surrounding the contacts (2, 3) for accepting and extinguishing gas which is heated during a switching process by a switching arc struck between the two contacts (2, 3) and which is led in the heating phase via an annular duct (6) into the heating volume, wherein the annular duct (6) has a width (B) which is small in comparison with the longitudinal extension (L) and the radial depth (D) of the heating volume and the axial longitudinal extension and the radial depth of the heating volume, each

calculated from the entry of the annular duct (6) into the heating volume (5) are approximately equal.



Compl. specn. 11 pages.

Drgs. 2 sheets

Int. Cl.⁴ : G 01 F 23/28; G 01 S 13/26, 13/30. 164799

APPARATUS FOR LEVEL MEASUREMENT WITH MICROWAVES.

Applicant : SAAB MARINE ELECTRONICS AKTIE-BOLÄG, OF BOX 13045, S-402 51, GOTEBORG, SWEDEN, A SWEDISH COMPANY.

Inventor : KURT OLOV EDWARDSSON.

Application No. 379/Mas/85 filed May, 22, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

Apparatus for measuring a distance (H) between an antenna (6) and a surface (7), comprising a microwave generator (2, 3) for generating a microwave signal which is emitted on each of a succession of sweeps and the frequency of which changes substantially steadily in only one direction through each sweep, said generator (2, 3) being connected with the antenna (6) for emission of the microwave signal towards said surface (7) to be reflected back to the antenna (6) therefrom, a first mixer (4) connected with the antenna (6) and the generator (2, 3) for mixing the signal reflected from said surface with the signal directly emitted from the generator to produce a measuring signal having a measuring frequency (f_m) that depends upon said distance (H), means comprising a delay line (11) and a second mixer (5) that are connected with one another and with said generator (2, 3) for producing a reference signal having a reference frequency (f_r) that corresponds to a known length (L), and signal processing means for determining a relationship between said measuring frequency (f_m) and said reference frequency (f_r) and calculating therefrom the value of said distance (H), said signal processing means comprising:

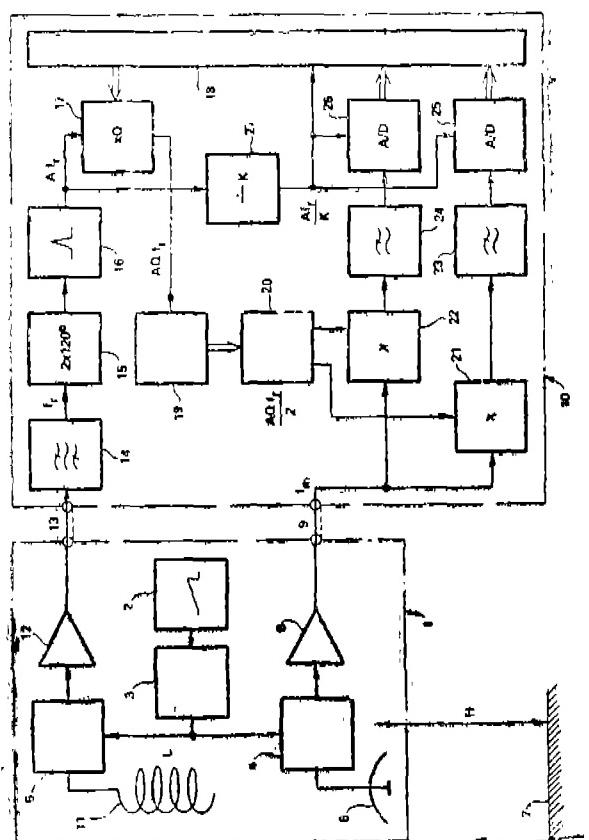
means (14, 15, 16) connected with said second mixer (5) for producing a reference pulse train having a reference pulse frequency (Af_r) which is a constant whole-number multiple (A) of the reference frequency (f_r);

means comprising a pulse multiplier (17) and calculating means (18) for producing a calculated whole number (Q) of successive approximation pulses for each reference pulse, to thus produce approximation pulses at an approximation frequency (AQI r), said calculated whole number (Q) being constant through each

sweep and being calculated to be substantially proportional to the quotient of an approximated value (h) for said distance (H) divided by said known length (L); means comprising a counter (19) connected with said pulse multiplier (17) for counting said approximation pulses in cycles, each cycle containing a fixed number (Z) of approximation pulses, and for issuing a binary count output for each counted that designates its numerical sequence in its cycle;

memory means (20) connected with said counter (19) for issuing, for each said binary count output, at least one output corresponding to the value of a point on a sinusoidal waveform, which point signifies a function of an angle designated by the numerical position of the corresponding counted approximation pulse in its cycle, so that the succession of outputs from said memory means corresponds to a sinusoidal waveform and constitutes a control signal that can be readily compared with said measuring signal; and

means connected with said memory means (20) and with said first mixer (4) for so mixing said control signal with said measuring signal that the phase difference between those mixed signals can be measured at intervals during each sweep.



Compl. specn. 23 pages.

Drgs. 2 sheets

Int. Cl.⁴ : A 24 D 1/00; A 24 B 3/14. 164800

AN IMPROVED BEEDI AND A METHOD OF MANUFACTURING THE SAME.

Applicant & Inventor : DAMODAR GOPAL PALAN, 2/928, KOONAMKULAM ROAD, TRIVANDRUM 695011, KERALA, INDIA, INDIAN NATIONAL.

Application No. 149/Mas/86 filed March 5, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 claims

An improved beedi comprising a casing rolled along with tobacco wherein the casing is made from a shaped piece cut from a sheet of dried pulp prepared from a ground composition of tendu leaves and water.

Complete specification 13 pages.

Drgs. 1 sheet

Int. Class⁴ : H05K 3/00.

164801

A PROCESS FOR PREPARING A PLASTIC ARTICLE.

Applicant : KOILLMORGEN TECHNOLOGIES CORPORATION, A CORPORATION DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF TEXAS, OF 717, NORTH HARWOOD STREET, SUITE 1000, LOCK BOX 67, DALLAS, TEXAS 75201, UNITED STATES OF AMERICA.

Inventors : DAVID CRAIG FRISCH & WILHELM WEBER.

Application for Patent No. 532/Del/85 filed on 8th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

23 Claims

A process for preparing a plastic article having a metal pattern on a non-conducting substrate such as a printed circuit which comprises the steps of : treating one or more surfaces of a non-conductive substrate to render them hydrophilic and microporous by adhesion promotion; imaging a pattern corresponding to the desired metal pattern on the surfaces, said pattern being catalytic for electroless metal deposition; after said imaging step, exposing said surfaces to a first electroless metal plating step to initiate metal deposition to reinforce said catalytic pattern; rendering the non-imaged surfaces of the substrate hydrophobic and resistant to metal deposition on exposure to an electroless metal deposition bath by contacting the substrate with a solvent composition such as herein described in which the substrate is at least partially soluble for a time period sufficient to solvate the surfaces of the substrate but insufficient to result in stress cracking or flow of the substrate onto the metal pattern; immediately drying the solvated surfaces of the basic material at a temperature at which the solvent rapidly volatilizes to restore the hydrophobicity of the surfaces; and exposing the surfaces to a second electroless metal plating step to form the metal pattern, the restored hydrophobicity of the non-imaged surface areas inhibiting metal deposition thereon.

Compl. specn. 38 pages.

Drgs. 4 sheets

Int. Cl.⁴ : C03C 13/04.

164802

"A PROCESS FOR PRODUCING A THERMO-PLASTIC MATERIAL".

Applicant : THE B.F. GOODRICH COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF 277 PARK AVENUE, NEW YORK, NEW YORK 10017, AND WITH BUSINESS OFFICES AT 500 SOUTH MAIN STREET, AKRON, OHIO 44318, U. S. A.

Inventor : DOUGLAS BRUCE RAHRING.

Application for Patent No. 535/Del/85 filed on 8th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 Claims

A process for producing a thermoplastic material comprised of vinyl chloride resin and glass fibers in which the glass fibers and vinyl chloride resin are chemically bonded together, which process comprises forming a mixture of;

- (a) form 50 to 95% by weight based on the combined weight of glass fibers and vinyl chloride resin, of vinyl chloride resin in which the vinyl chloride portion of each repeating unit contains from 57% to 72% by weight of chlorine;
- (b) from 5% to 50% by weight of glass fibers having a diameter less than 20 microns, wherein said glass fibers are coated with a size consisting essentially of
 - (i) an amino silane coupling agent having a reactive amine moiety which upon reaction with said resin results in a compound having a peak in a proton magnetic resonance spectra at 5.65 ppm. and
 - (ii) a film former consisting essentially of a polymer having a ring-opened lower alkylene oxide containing from 2 to 4 carbon atoms as an essential component in a repeating unit optionally containing another copolymerizable component, and
- (c) A stabilizer of the kind such as herein described for said vinyl chloride resin in an amount sufficient to provide desired stability of the composition during thermoforming and heating said admixture to a temperature above 160°C.

Complete specification 26 pages.

Drgs. 3 sheets

Int. Cl.⁴ : C08L 23/00.

164803

"A THERMOFORMABLE AND CROSS LINK-ABLE THERMOPLASTIC POLYMERIC COMPOSITION AND PROCESS FOR MAKING THE SAME".

Applicant : BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1P CSU, ENGLAND.

Inventors : DAVID JOHN BULLEN AND JEFFREY DAVID UMPLEBY.

Application for Patent No. 562/Del/85 filed on 17th July, 1985.

Convention date 20th July, 1984/8418591 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

14 Claims

A thermoformable and crosslinkable thermoplastic polymeric composition comprising a crosslinkable component containing predetermined conventional amounts of an organic polymer of the kind such as herein described and an organic preoxide as herein defined and 0.002 to 2.0 weight % based on the weight of the crosslinkable component of a fluorocarbon polymer such as herein defined.

Complete specification 17 pages.

Int. Class⁴ : B29C 39/04.

164904

INJECTION MOULDING APPARATUS.

Applicant : LRC PRODUCTS LIMITED, A BRITISH COMPANY, OF NORTH CIRCULAR ROAD, LONDON E4 8QA, ENGLAND.

Inventor : FRANK DOUGLAS BERRY.

Application for Patent No. 659/Del/85 filed on 12th August, 1985. Contd.

Convention date August 13, 1984/8420505, 8420506, 8420507 & 8420508 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

12 Claims

An injection moulding apparatus comprising a turntable, drive means for continuously rotating the turntable, a plurality of mould sets carried on the turntable, a clamping and injecting assembly having a device for clamping each mould set closed and a device for injecting moulding material into the mould set while clamped closed by the clamping device, and means mounting the clamping and injecting assembly for reciprocal movement along an arcuate path in synchronism with the rotation of the turntable.

Complete specification 21 pages.

Drgs. 6 sheets

Int. Cl.⁴ : F42D 3/04.

164805

"APPARATUS FOR ELECTRICALLY IGNITING AN IGNITION ELEMENT USING REMOTELY GENERATED CONTROL SIGNALS".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : ALAN DOUGLAS BIRSE AND ALAN GEORGE KING.

Application for Patent No. 685/Del/85 filed on 20th August, 1985.

Convention date 4th September, 1984/8422323 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-5.

25 Claims

Apparatus for electrically igniting an ignition element using remotely generated control signals, said apparatus comprising: a power source adjacent to the ignition element; signal receiving means for receiving said remotely generated control signals; signal amplifier means powered by said local power source and connected to said signal receiving means to amplify said control signals; energy storage means connected to said amplifier means to receive said amplified control signals and to store electrical energy derived therefrom; and firing control means adjacent to the ignition element and connected to said amplifier means and comprising means to detect a predetermined characteristic of said received control signals as firing control signals and, in response to such detection, to discharge stored electrical energy from the energy storage means through said electrically ignitable ignition element.

Complete specification 27 pages.

Drgs. 3 sheets

Int. Class⁴ : C01C 1/04.

164806

PROCESS FOR PRODUCING AMMONIA IN A SYNTHESIS LOOP.

Applicant : THE M.W. KELLOGG COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046, UNITED STATES OF AMERICA.

Inventors : BERNARD GEORGE MANDELIK, JOHN ROBERT CASSATA, PHILLIP JOHN SHIRES & CHRISTIAAN PIETER VAN DIJK.

Application for Patent No. 700/Del/85 filed on 23rd Aug., 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

A process for producing ammonia in a synthesis loop wherein in fresh synthesis gas containing hydrogen, nitrogen and usually, lesser amount of argon and methane is combined with a hydrogen enriched recycle gas to provide combined synthesis gas, the combined synthesis gas is introduced to and reacted over ammonia synthesis catalyst under synthesis conditions to provide converted gas containing ammonia, hydrogen, nitrogen, ammonia is recovered from the converted gas to provide recycle gas, a purge steam is removed from the synthesis loop, a hydrogen rich gas is recovered from the purge stream and the hydrogen rich gas is combined with the recycle gas, to provide the hydrogen enriched recycle gas, characterised in that said process comprises :

- (a) providing the fresh synthesis gas at a hydrogen to nitrogen molar ratio between 1.7 and 2.5 and providing the hydrogen enriched recycle gas at a hydrogen to nitrogen molar ratio between 0.5 and 1.7 to thereby provide the combined synthesis gas at a hydrogen to nitrogen molar ratio between 0.8 and 1.8 wherein the volumetric flow rate ratio of the hydrogen enriched recycle gas to the fresh synthesis gas is between 2.2 and 3.7; and
- (b) introducing the combined synthesis gas from step (a) to a highly active ammonia synthesis catalyst at a temperature 315°C and 400°C and a pressure between 50 kg/cm² and 15 kg/cm².

Complete specification 13 pages. Drg. 1 sheet

Int. Class⁴ : B22F 312. 164807

A METHOD OF MANUFACTURING VACUUM INTERRUPTER CONTACTS.

Applicant : VACUUM INTERRUPTERS LIMITED, A BRITISH COMPANY, OF 68 BALLARDS LANE, FINCHLEY, LONDON N3 2BU, ENGLAND.

Inventors : DENZIL MALCOLM ATKINSON AND PETER MALKIN.

Application for Patent No. 705/Del/85 filed on 28th August, 1985.

Convention date October 15, 1984/8426009/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 Claims

A method of manufacturing vacuum interrupter contacts comprising the steps of mixing powdered copper with powdered bismuth and powdered chromium, the mass of bismuth being not more than 0.15% of the total mass of the mixture, cold pressing the mixture to a density of greater than 90% relative to theoretical maximum, sintering under vacuum and then cold coining the sintered contact upto a density of greater than 97% relative to the theoretical maximum.

Complete specification 7 pages. Drg. 1 sheet

Int. Cl.⁴ : A61K 716. 164808

"METHOD OF PREPARING AN ANTIPLAQUE DENTIFRICE HAVING IMPROVED FLAVOR".

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 300 PARK AVENUE, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : STEPHEN JOHN SHYMON.

Application for Patent No. 759/Del/85 filed on 17th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

A method of preparing an antiplaque dentifrice having improved flavor which comprises the preparation at room temperature, of two separate gel phases, an oil gel phase and a water gel phase comprising the following sequence of steps :

- (a) dispersing 0.01 to 5% by weight of quaternary antiplaque agent such as herein defined in 0.8 to 1.2% by weight of a flavoring agent formulation consisting essentially of 15 to 45% by weight anethol, 31 to 46% by weight menthol and 24 to 39% by weight peppermint,
- (b) mixing said quaternary ammonium-flavor dispersion with 1.5 to 5% by weight of a betaine surfactant such as herein defined to form an oil gel phase,
- (c) dissolving 0.2 to 0.6% by weight of a water sweetening agent such as herein defined in water,
- (d) dispersing 0.5 to 2% by weight of a nonionic gelling agent such as herein defined in 18 to 30% by weight of a humectant,
- (e) mixing said gelling agent-humectant dispersion with the water-sweetening agent solution to form the water gel phase,
- (f) mixing the oil and water gel phases to form a stable parent gel phase,
- (g) adding 35 to 65% by weight of water insoluble dental abrasive of the kind as herein defined to the water gel phase, or to the parent gel phase with mixing; and
- (h) thereby recoupling in an antiplaque dentifrice having a pleasant, sweet, cool taste.

Complete specification 30 pages. Drg. 1 sheet

Int. Cl.⁴ : 41/01. 164809

A PROCESS FOR PREPARATION OF NOVEL GERA-NIOL BASED DI ETHERS USEFUL AS INSECT CONTROL AGENTS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI 1860).

Inventors : SARITA ANANT PATWARDHAN, RAVINDRA NATH SHARMA, ANIL PURUSHOTTAM PHADNIS, PUSHPA DUTTA GUND AND ILYAS VAZIR BHADAR,

Application for Patent No. 1051/Del/85 filed on 12 December, 1985.

Reference to Co-opening Application No. 1053/Del/85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of new geraniol based diethers of the formula (I)



wherein R and R' have the meanings given below :



- (a) methyl phenyl
- (b) ethyl phenyl

comprising treating 8 bromo mono ether of the formula (II)



wherein R is methyl or ethyl and R' Bromine with phenol in the presence of sodium hydride and dimethyl sulfoxide.

Compl. specn. 8 pages.

Drg. 1 sheet

Int. Cl. 4 CO7C 103/19 164810

"A PROCESS FOR THE PREPARATION OF α -6-DEXY-TETRACYCLINE USING NEW RHODIUM-CONTAINING CATALYSTS"

Applicant : HOVIONE INTER LTD., A SWISS CORPORATE BODY, OF P. O. BOX 1500, 8305 DIETLIKON-ZURICH SWITZERLAND.

Inventors : IVAN VILLAX AND PHILLIP RONALD PAGE.

Application for Patent No. 554/DEL/86 Filed on 25th June, 1986. Divisional to Application No. 843/DEL/83 Filed on 16th December, 1983. Convention date 5th April, 1983/425254 (CANADA).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110 005.

(7 Claims)

A new improved homogeneous hydrogenation process to prepare an α -6-deoxytetracycline in high yield and purity from an acid addition salt of α -6-demethyl-6-deoxy-6-methylene tetracycline in the absence of or in the presence of between 0.01 and 0.06 moles of free tertiary phosphine of the formula $PR_1R_2R_3$, in which R_1 and R_2 are phenyl, substituted phenyl in which the substituent is selected from the group comprising halo, alkyl, alkoxy and dialkylamino, or dimethylamino groups, and R_3 is R_1 , alkyl, aralkyl, or benzyl group per mole of 6-methylene substrate, or from an acid addition salt of an 1a-chloro-6-demethyl-6-deoxy-6-methylene tetracycline in the presence of up to 1 mole of free tertiary phosphine of the formula $PR_1R_2R_3$, in which R_1 and R_2 and R_3 are as defined above, per mole of 6-methylene substrate by catalytic hydrogenation, characterised in that the catalyst is a tertiary phosphine-hydrazino-rhodium complex, obtained by reacting a

rhodium compound with a hydrazine or salt thereof of the formula $R_1R_2N.N.R_3R_4$ in which R_1 is a lower alkyl, phenyl or benzenesulphonyl or hydrogen and R_2 , R_3 and R_4 are lower alkyl or hydrogen, with the proviso that when R_1 is a phenyl or benzenesulphonyl, R_2 , R_3 and R_4 can only be hydrogen, in the presence of a tertiary phosphine of the formula $PR_1R_2R_3$ in which R_1 , R_2 and R_3 are as defined above, and wherein said pure α -6-deoxytetracycline is recovered directly from the reaction mixture as crystalline p-toluenesulphonate by addition of an excess of p-toluenesulphonic acid.

Complete Specification 29 Pages

Drg. 1 sheet

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. Nos. 160484 to 160488. Partecipazioni Bulgari S.P.A. an Italian Company of No. 5, Via Gregoriana-00187 ROMA, Italy. a "Necklace". 1st December, 1988.

Class 1. Nos. 160489 to 160492. Partecipazioni Bulgari S.P.A., an Italian Company of No. 5, Via Gregoriana-00187 ROMA, Italy. an "Earring". 1st December, 1988.

Class 1. Nos. 160493 to 160495. Partecipazioni Bulgari S.P.A., an Italian Company of No. 5, Via Gregoriana-00187 ROMA, Italy. a "Bracelet". 1st December, 1988.

Class 1. Nos. 160640 to 160645. New Friend & Company Private Limited. An Indian Company, 5-Bhamashah Marg, Delhi-110009. India. "Time Piece". 13th January, 1989.

Class 3. No. 160416. International Business Machines Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. a "Container for Computer Programme Material". Reciprocity date is 8th July, 1988 (U.K.).

Class 3. No. 160639. New Friend & Company Private Limited. An Indian Company, 5-Bhamashah Marg, New Delhi-110009. India. "Time Piece". 13th January, 1989.

Class 12. Nos. 160519 & 160521. Nintendo Co., Ltd., of 60, Fukunie Kamitakamatsu-cho, Higashiyama-ku, Kyoto Japan, a Japanese Corporation. a "Main Unit of Game Machine for Home Use". 6th December, 1988.

Class 12. No. 160520. Nintendo Co., Ltd., of 60 Fukunie Kamitakamatsu-cho, Higashiyama-ku, Kyoto, Japan, a Japanese Corporation. a "Cartridge for Game Machine". 6th December, 1988.

Copyright extended for the second period of five years.

Nos. 154432, 154433, 154505, 154506, 154504,

154657.

Class-1.

R. A. ACHARYA,
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